

***LineUp With Math™* Alignment**
Hawaii Content and Performance Standards III: Mathematics
Updated 9/28/05

Strand: Patterns, Functions, and Algebra

Standard 10: SYMBOLIC REPRESENTATION:

Use symbolic forms to represent, model, and analyze mathematical situations

Topic and Benchmark	<i>LineUp With Math™</i> Activities
<i>Numeric and Algebraic Representations</i> MA.5.10.2 Model problem situations with objects or manipulatives and use representations (e.g., graphs, tables, equations) to draw conclusions	--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.
<i>Rates of Change</i> MA.5.10.3 Describe situations with constant or varying rates (e.g., miles per hour, items per box)	--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.

Strand: Data Analysis, Statistics, and Probability

Standard 12: STATISTICS:

Interpret data using methods of exploratory data analysis

Topic and Benchmark	<i>LineUp With Math™</i> Activities
<i>Data Interpretation</i> MA.5.12.2 Compare different representations of the same data and evaluate how well each representation shows important aspects of the data	--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts. --Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.